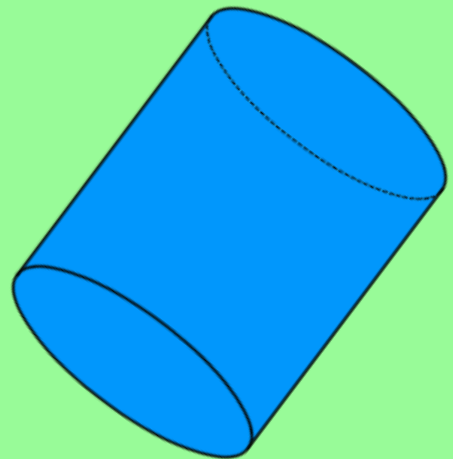
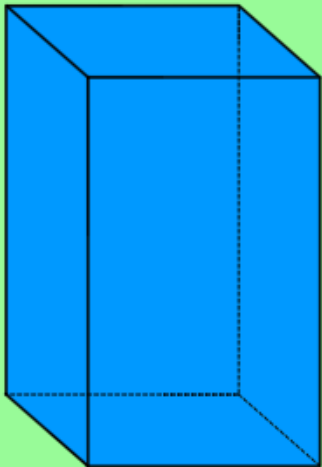
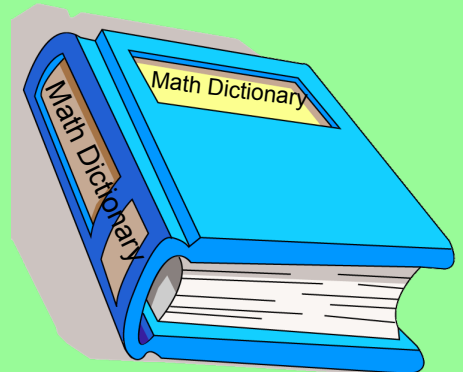
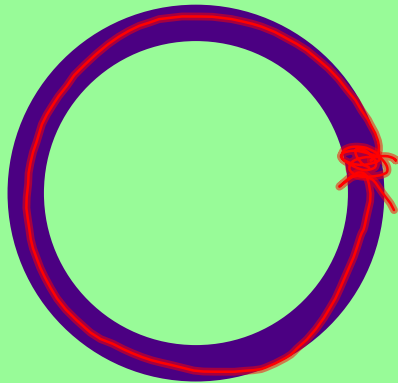


Circumference and Volume



Add to your Math Dictionary . . .

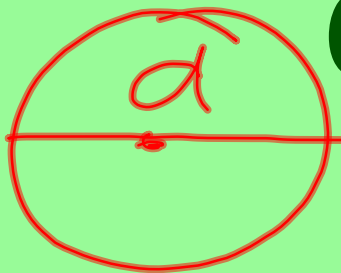
circumference =



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Formula Page

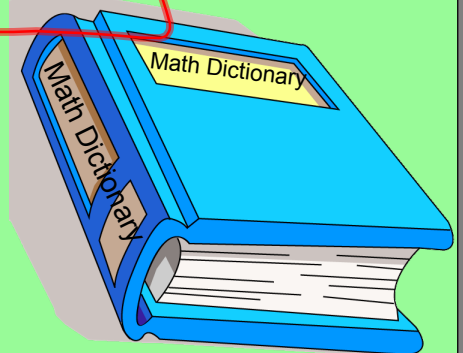
Circumference



$$C = \pi \cdot d$$



$$C = \pi \cdot 2 \cdot r$$



Find the circumference.

$$d = 14$$

1) $d = 10 \text{ cm}$

$$C = \pi \cdot d$$

$$C = \pi \cdot 10$$

$$C = 31.42 \text{ cm}$$

2) $r = 7 \text{ cm}$

$$C = 2 \cdot \pi \cdot r$$

$$C = 2 \cdot \pi \cdot 7$$

$$C = 43.98 \text{ cm}$$

$$C = \pi \cdot d$$

$$C = \pi \cdot 14$$

$$C = 43.98 \text{ cm}$$

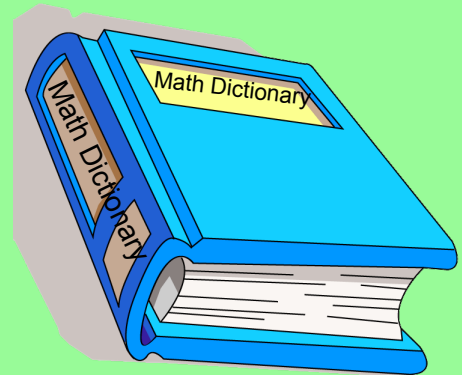
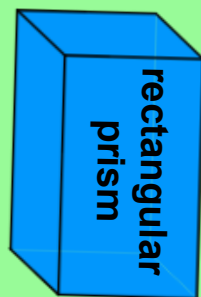
π

Add to your Math Dictionary . . .

volume =



U³

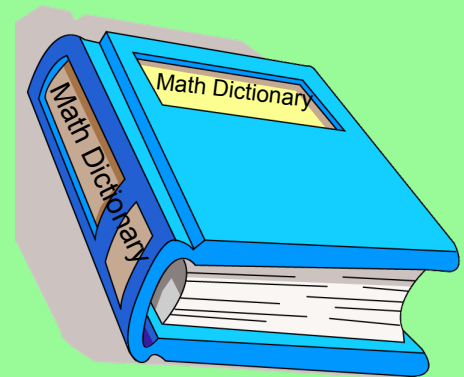


Add to your Math Dictionary . . .

Formula Page

Volume of a rectangular prism

$$V = l \cdot w \cdot h$$



Find volume of these rectangular prisms.

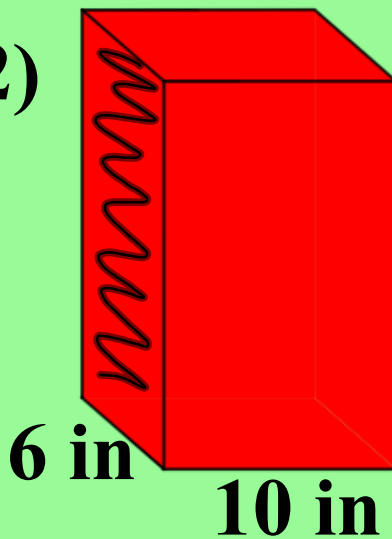
1) $l=4$ cm, $w=10$ cm, $h=3.2$ cm

$$V = L \cdot W \cdot h$$

$$V = 4 \cdot 10 \cdot 3.2$$

$$V = 128 \text{ cm}^3$$

2)



15 in

$$V = L \cdot W \cdot h$$

$$V = 6 \cdot 10 \cdot 15$$

$$V = 900 \text{ cm}^3$$

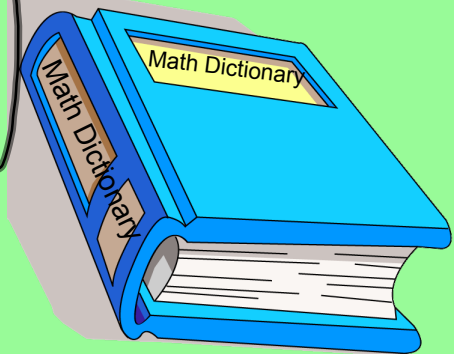
Add to your Math Dictionary . . .

Formula Page

Volume of a cylinder

$V = \pi \cdot r \cdot r \cdot h$

$V = \pi \cdot r^2 \cdot h$



Find volume of these cylinders.

3) $r=7.2$ cm, $h=11$ cm

$$V = \pi \cdot r \cdot r \cdot h$$

$$V = \pi \cdot 7.2 \cdot 7.2 \cdot 11$$

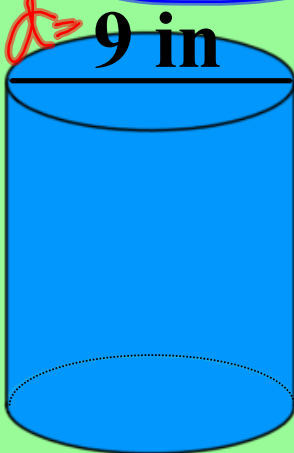
$$V = 1791.46$$

$$\text{cm}^3$$

$$r = 4.5$$

$$d = 9 \text{ in}$$

4)



12 in

~~$$V = \pi \cdot r \cdot r \cdot h$$~~

$$V = \pi \cdot 4.5 \cdot 4.5 \cdot 12$$

$$V = 763.41 \text{ in}^3$$

Homework

#7 Page 52 #1 - 3 & #14 - 18